BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Drilling of Bore Wells, Providing Pump motor and Servicing at Coconut Garden in Dasarahalli Ward No.15

Sl. No	Description of work	Unit	Qty	Sanctioned Estimate Rates	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., Complete as per Specifications.	Each	1.00	1900.00	Rupees One Thousand Nine Hundred Only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc., v	Mtr			
a	0.00 to 50.00 Mtr	Mtr	50.00	306.00	Rupees Three Hundred Six Only
b	50.00 to 100.00 Mtr	Mtr	50.00	400.00	Rupees Four Hundred Only
c	100.00 to 150.00 Mtr	Mtr	50.00	445.00	Rupees Four Hundred Forty Five Only
d	150.00 to 200.00 Mtr	Mtr	50.00	470.00	Rupees Four Hundred Seven Only
e	200.00 to 250.00 Mtr	Mtr	50.00	544.00	Rupees Five Hundred Forty Four Only

Signature of the Contractor

Technical Manager (TM-2)

Executive Engineer

1	2	3	4	5	6
f	250.00 to 300.00 Mtr	Mtr	50.00	583.00	Rupees Five Hundred Eighty Three Only
g	300.00 to 350.00 Mtr	Mtr	50.00	622.00	Rupees Six Hundred Twenty Two Only
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end (including of all taxes) Complete as per Specifications.	Mtr	80.00	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	Providing and fixing 250mm dia PVC pipe and Complete as per Specifications.	Rmt	18.00	1100.00	Rupees One Thousand One Hundred Only
5	175 mm dia M.S. Casing cap Complete as per Specifications.	Each	1.00	100.00	Rupees One Hundred Only
6	M.S. Casing pipe collars 'C' Class (Complete as per Specifications.	Each	54.00	150.00	Rupees One Hundred Fifty Only
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar/Atalanta/calamal/ waterman /Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 25 stage Complete as per Specifications.	Set	1.00	71265.25	Rupees Seventy One Thousand Two Hundred Sixty Five and Twenty Five Paise Only
8	Supplying and drawing 3 core Flat PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts as per Page No:49 Item No 29C/1 PREE - SR 4 sqmm of 56 strands 0.3mm dia Complete as per Specifications.	Mtr	600.00	151.00	Rupees One Hundred Fifty One Only
9	Supplying and fixing 50mm Non-return valve of vertical type of approved make including cost of all materials labour HOM of equipment with all leads complete as per specification.	Nos	1.00	1530.00	Rupees One Thousand Five Hundred Thirty Only

	2	3	4	5	6
	Supplying and fixing 50mm GM gate valve Complete as per Specifications.	Nos	1.00	1430.00	Rupees One Thousand Four Hundred Thirty Only
11	Supplying and fixing 160mm borewell cap with clampset Complete as per Specifications.	Nos	1.00	690.00	Rupees Six Hundred Ninety Only
12	Supplying and fixing 50mm GI Union Complete as per Specifications.	Nos	1.00	245.00	Rupees Two Hundred Forty Five Only
13	Supplying and fixing 50mm GI Elbow Complete as per Specifications.	Nos	1.00	120.00	Rupees One Hundred Twenty Only
14	Supplying and fixing 50mm GI Coller heavy duty Complete as per Specifications.	Nos	16.00	1350.00	Rupees One Thousand Three Hundred Fifty Only
15	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter out door type 10hp to 15 hp Complete as per Specifications.	Nos	1.00	10000.00	Rupees Ten Thousand Onl
16	Providing and fixing of 50mm GI Pipe 'C' class heavy duty erection of submersible pumpset Complete as per Specifications.	Mtrs	288.00	402.75	Rupees Four Hundred Two an Seventy Five Paise Only
17	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc,. Complete as per Specifications.	Nos	1.00	475.00	Rupees Four Hundred Seven Five Only
18	Supplying of TPST with rewireable porcelain channels in SM encloser Complete as per Specifications.	Nos	1.00	1350.00	Rupees One Thousand Thre Hundred Fifty Only
19	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end Provided for olding at other end fixing the same of the valve using through bolts and nuts, Complete as per Specifications.	Nos	1.00	275.00	Rupees Two Hundred Seven Five Only

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1	2	3	4	5	6
20	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220v AC 50Hz 12/24 V DC Group 'B'. Complete as per Specifications.	Nos	1.00	350.00	Rupees Three Hundred Fifty Only
21	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or concealed system of wiring) 7/20 or 7/36 copper wire, Complete as per Specifications.	Nos	10.00	25.00	Rupees Twenty Five Only
22	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR capacity Complete as per Specifications.	Nos	1.00	350.00	Rupees Three Hundred Fifty Only
23	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required Complete as per Specifications.	Nos	1.00	1075.00	Rupees One Thousand Seventy Five Only
24	Supplying and fixing wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia Complete as per Specifications.	Nos	1.00	1500.00	Rupees One Thousand Five Hundred Only
25	Supplying and fixing Class-A (medium duty) GI Pipe wall thickness not less than 3.25mm on pole Complete as per Specifications.	Nos	10.00	220.00	Rupees Two Hundred Twenty Only
26	Supply 1.1 KV class UG Cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. Complete as per Specifications.	Mtrs	15.00	150.00	Rupees One Hundred Fifty Only
27	Labour charges for laying 1.1 KV Class UG Cable when supplied by agencies in existing trenches GI Pipe / stoneware pipe/ on pole as required, Complete as per Specifications.	Mtrs	30.00	5.00	Rupees Five Only
28	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete as per Specifications.	Mtrs	15.00	50.00	Rupees Fifty Only
29	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts, nuts and washers etc, Complete as per Specifications.	Nos	1.00	240.00	Rupees Two Hundred Forty Only

	2	3	4	5	6
	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using necessary nuts, bolts and washers etc., Complete as per Specifications.	Nos	6.00	219.00	Rupees Two Hundred Ninetee Only
31	BESCOM Deposit charge and Miscellaneous Complete as per Specifications.	L/S	1.00	15000.00	Rupees Fifteen Thousand Only
32	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the asphalt surface road. Complete as per Specifications.	Cum	9.00	255.46	Rupees Two Hundred Fifty Five and Forty S Paise Only
33	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications.	Cum	45.00	190.80	Rupees One Hundred Ninety and Eighty Pais Only
34	Providing and installing at site of work PVC Pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete PVC Pipes of 6Kg/Sqm 75mm dia Complete as per Specifications.	Rmt	100.00	117.00	Rupees One Hundred Seventeen Only
35	Supplying and fixing 50mm GI Pipes 'C' Class heavy duty Complete as per Specifications.	Mtrs	10.00	402.75	Rupees Four Hundred Two an Seventy Five Paise Only
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications.	Cum	177.75	51.41	Rupees Fifty On and Forty One Paise Only
37	Disposing of excavated earth to the final place of disposal with all lead and lift & as directed by the engineer in charge of the work. Complete as per Specifications.	Cum	159.68	106.85	Rupees One Hundred Six an Eighty Five Pais Only
38	Transportation of pumping machineries Complete as per Specifications.	Nos	1.00	850.00	Rupees Eight Hundred Fifty Only
39	Erection of pumping machineries Complete as per Specifications.	Nos	1.00	850.00	Rupees Eight Hundred Fifty Only

Note: The said work for sanctioned estimate cost Rs.7.00 Lakhs (Rupees Seven Lakhs On (Incl.10%+1%KRIDL Charges + 1% Quality control tests Charges) based On "Approved SR Rates"

Signature of the Contractor

Technical Manager (TM-2)
KRIDL, Dasarahalli Zone, Bangalore

Executive Engineer,
Dasarahalli Division,